usl.res

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FastDB - Fast Pairwise Comparison of Sequences
Release 5.4

Results file usl.res made by msmith on Tue 15 May 101 13:58:11-PDT.

Query sequence being compared:US-09-441-723-1 (1-226)
Number of sequences searched:                    6
Number of scores above cutoff:                   6

        Results of the initial comparison of US-09-441-723-1 (1-226) with:
        File : wells723.pep
```

```
100-
    -
 N  -
 U  -
 M 50-
 B  -
 E  -
 R  -
    -
 O  -
 F 10-
    -
 S  -
 E 5-
 Q  -
 U  -
 E  -
 N  -
 C  -   ***  *
 E  -                 *                                              *
 S 0-|---|---|---|---|---|---|---|---|---|---|---|---|---|
       7   15  22  30  37  45  52  60  67
SCORE  0
STDEV  0   0   1   1   1   2   2
```

```
              PARAMETERS
Similarity matrix    Unitary
Mismatch penalty     1
Gap penalty          1.00      K-tuple              2
Gap size penalty     0.05      Joining penalty      20
Cutoff score         1         Window size          32
Randomization group  0
```

```
              SEARCH STATISTICS
Scores:        Mean      Median       Standard Deviation
                18         7                24.55
Times:          CPU                    Total Elapsed
          00:00:00.00                  00:00:00.00
```

```
Number of residues:                    1084
Number of sequences searched:             6
Number of scores above cutoff:            6

The scores below are sorted by initial score.
Significance is calculated based on initial score.
100% identical sequence to the query sequence was not found.

The list of best scores is:
```

```
                                                                 Init.  Opt.
Sequence Name  Description                         Length  Score  Score   Sig. Frame
-------------  -----------                         ------  -----  -----   ---- -----
                **** 1 standard deviation above mean ****         180      70  2.00   0
                **** 0 standard deviation from mean ****

1. aa291397p_6  TOIG of: aa291397   check: 770     181     67     67  ****    0
2. aa291397p_5                                     181     20     30   0.08    0
3. aa291397p_1                                     181      8     31  -0.41    0
4. aa291397p_2                                     181      6     30  -0.49    0
5. aa291397p_3                                     180      5     28  -0.53    0
6. aa291397p_4                                     181      4     18  -0.57    0
```

```
1. US-09-441-723-1 (1-226)
   aa291397p_6

Initial Score     =  67    Optimized Score        =  70    Significance = 2.00
Residue Identity  =  75%   Matches                =  72    Mismatches   = 13
Gaps              =  11    Conservative Substitutions =  0
```

```
           90        100       110       120       130       140       150       160
   SVMLEKGSLSAMRFLTAVNLEHPEMLEKASRELWMRVWSRNEDITEPQSILAAAEKAGMSAEQAQGLLEKIA
                                                         ||||||||||||||||||||
                                                        LAAAEKAGMSAEQAQGLLEKIA
   x                                                         10        20

           170       180       190       200       210       220
   TPKVKNQLKETTEAACRYGAFGLPITVAHVDGQTHMLFGSDRMEL-------LAHLGEKWMGPIPPAVNA
   |||||||||||||||||||||||||||||||||||||||||||||       |---|---|---|
   TPKVKNQLKETTEAACRYGAFGLPITVAHVDGQTHMLFGSDRMELWRTCWERSGWALYLQPXM---PDFKIA
           30        40        50        60        70        80        90

   x
   RL
   |
   RRKQTLRIKKAGHLLNPWLHHKALGLGFLYLIEVFSVALGAVCLSPTPKDAR
   x        100       110       120       130       140
```